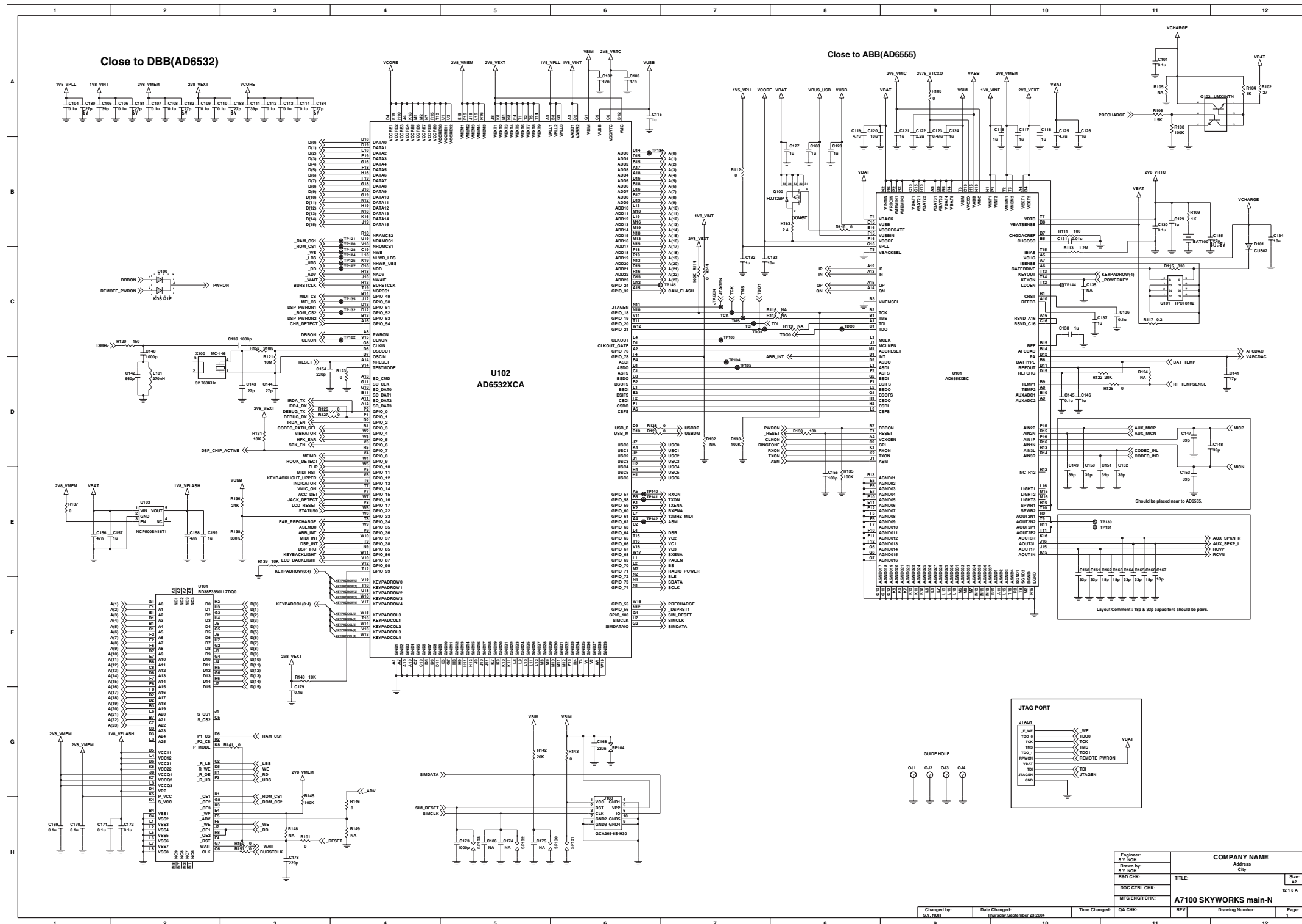


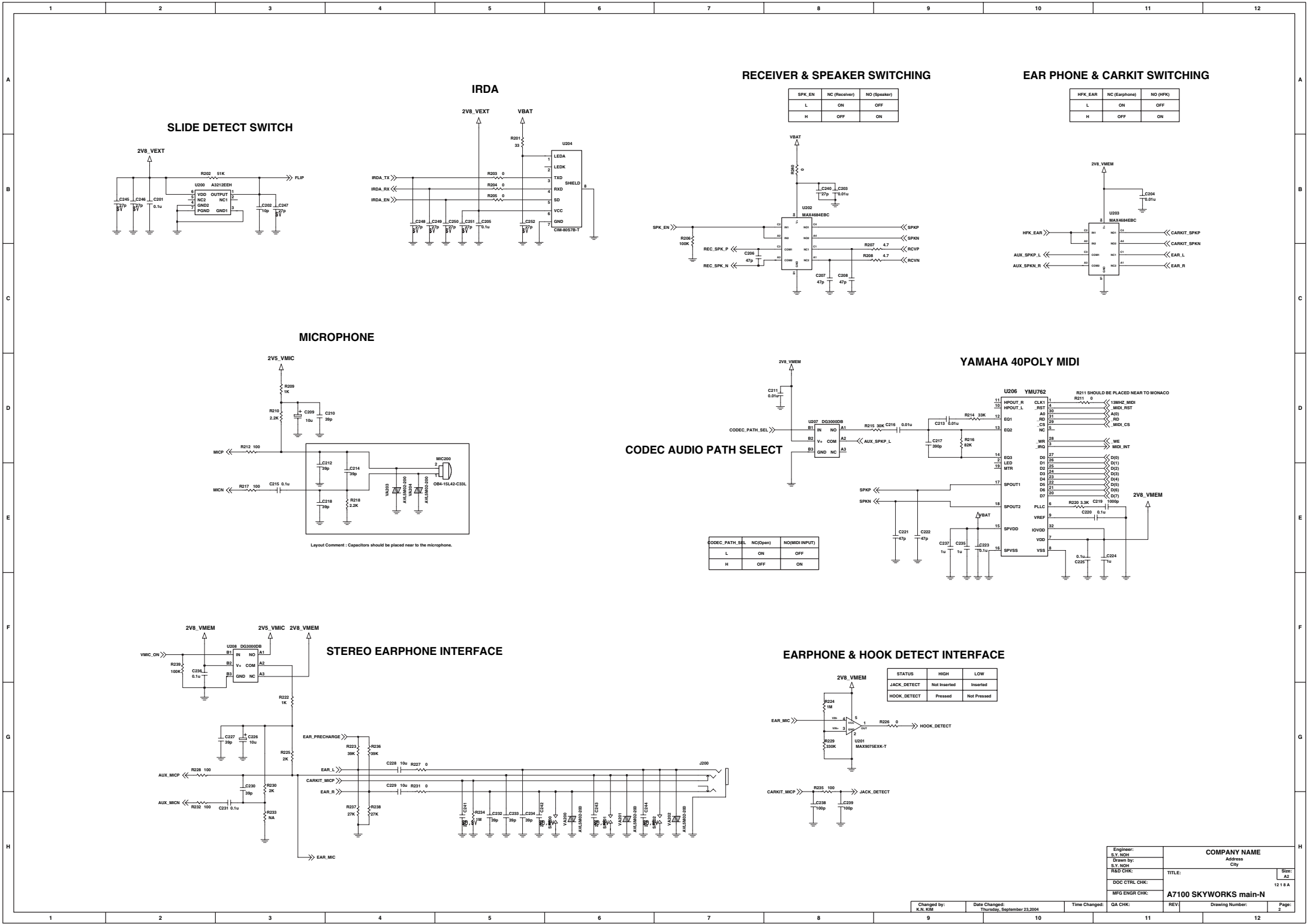
8. Принципиальная схема

8.1 Схема основной платы (Логика)



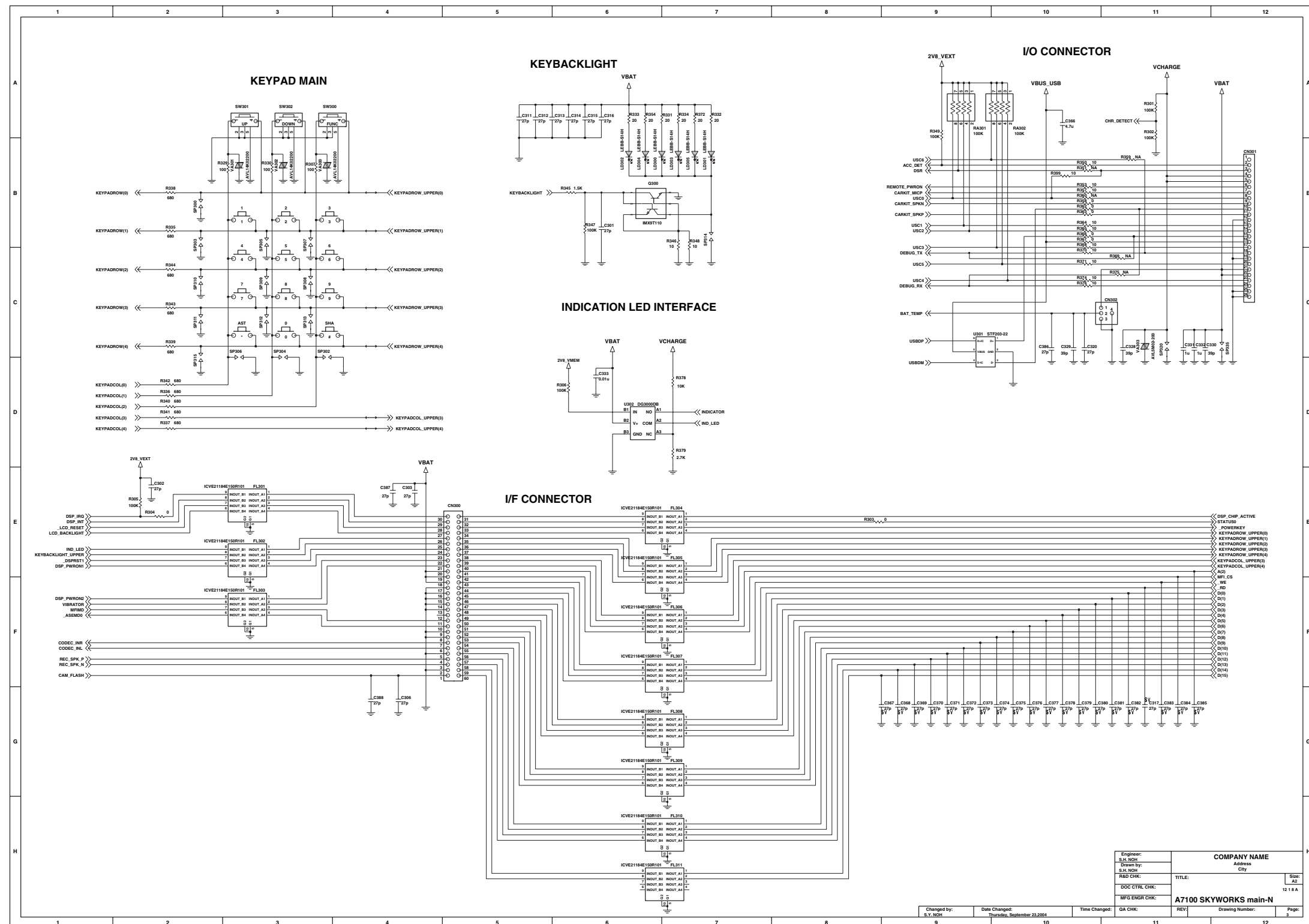
8. Принципиальная схема

8.2 Схема основной платы (Звуковая часть)



8. Принципиальная схема

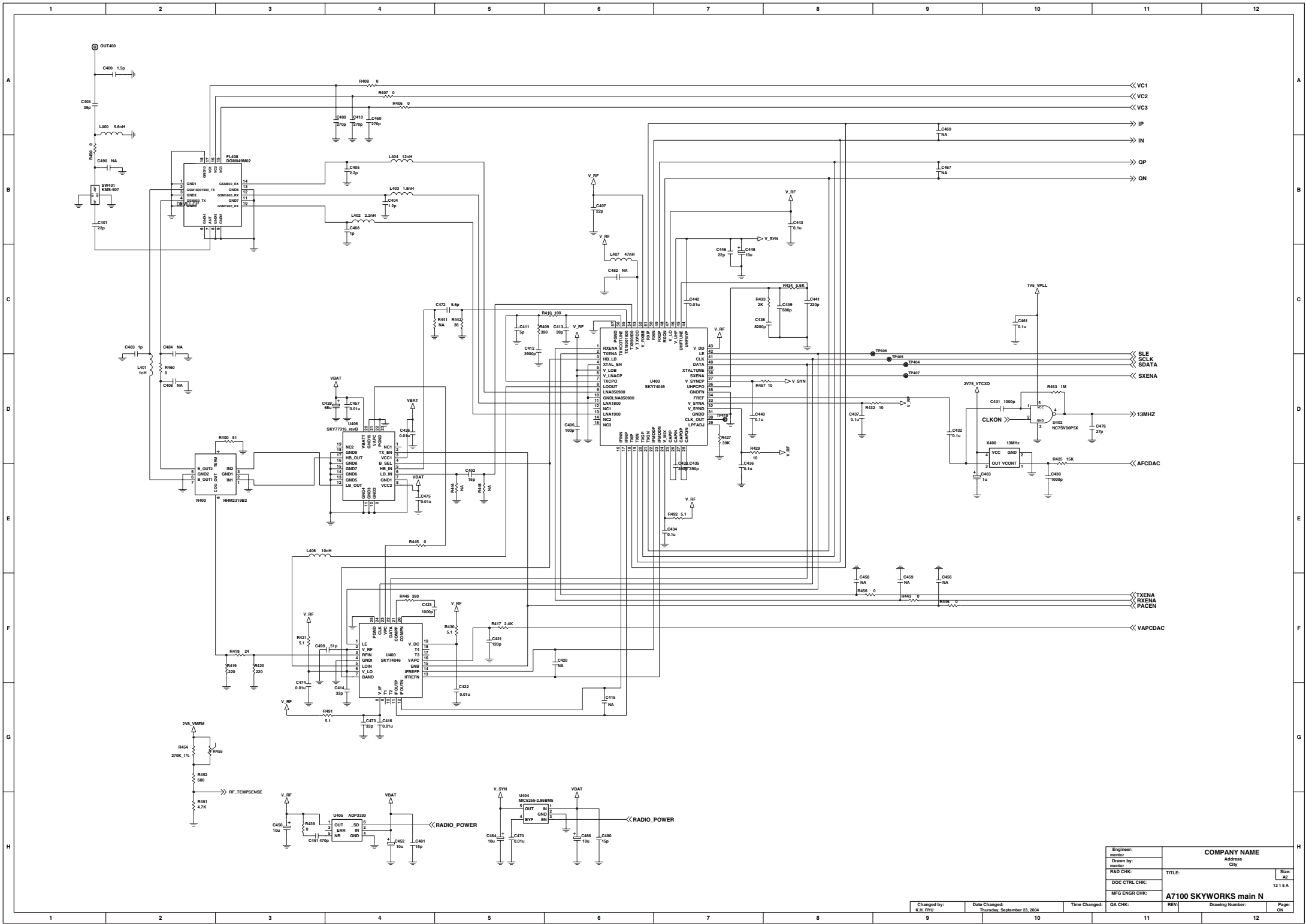
8.3 Схема основной платы (Интерфейсы)



8. Принципиальная схема

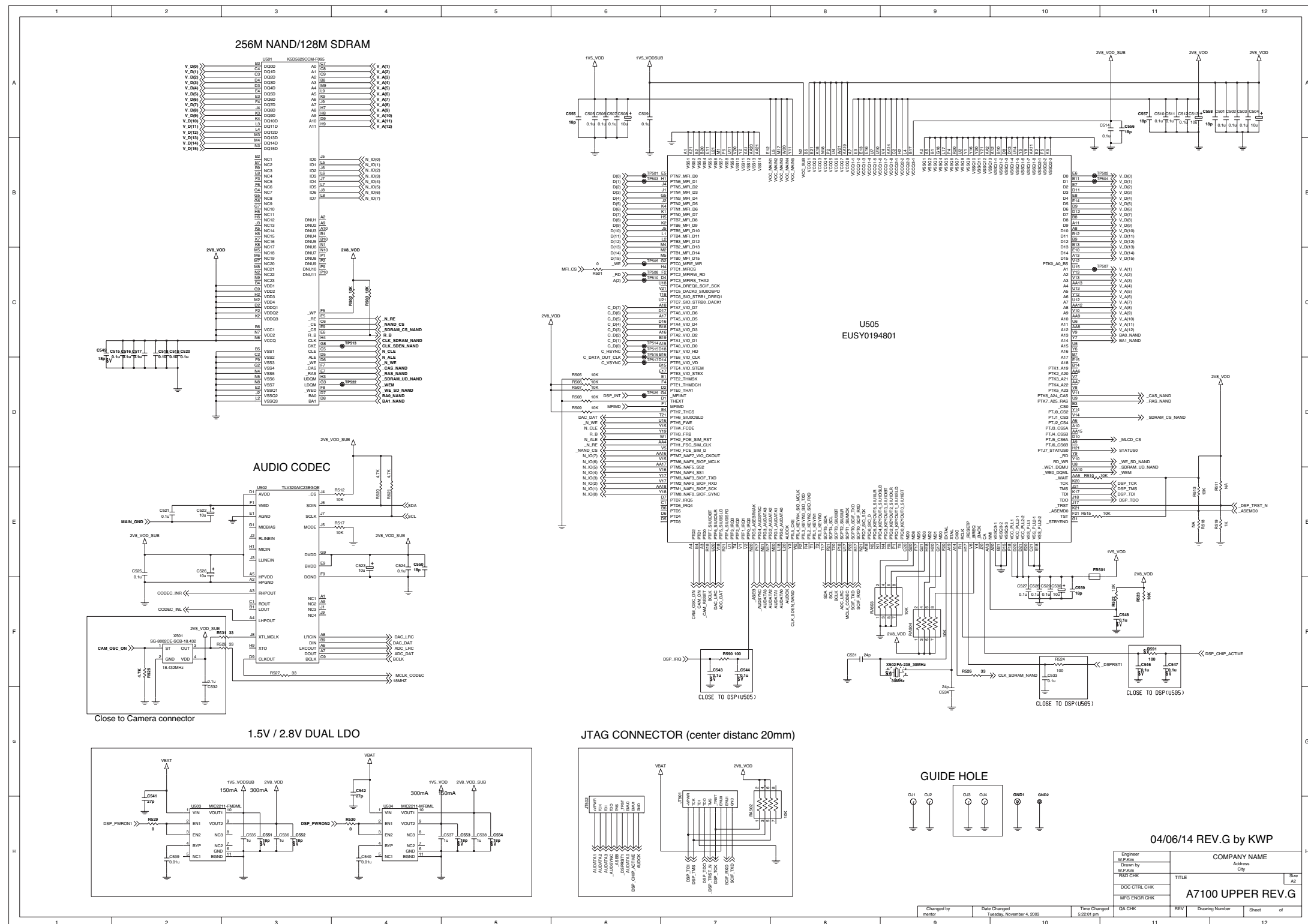
8. Принципиальная схема

8.4 Схема основной платы (Схема блока РЧ)



8. Принципиальная схема

8.5 Схема верхней платы (Логика и звуковая часть)



8. Принципиальная схема

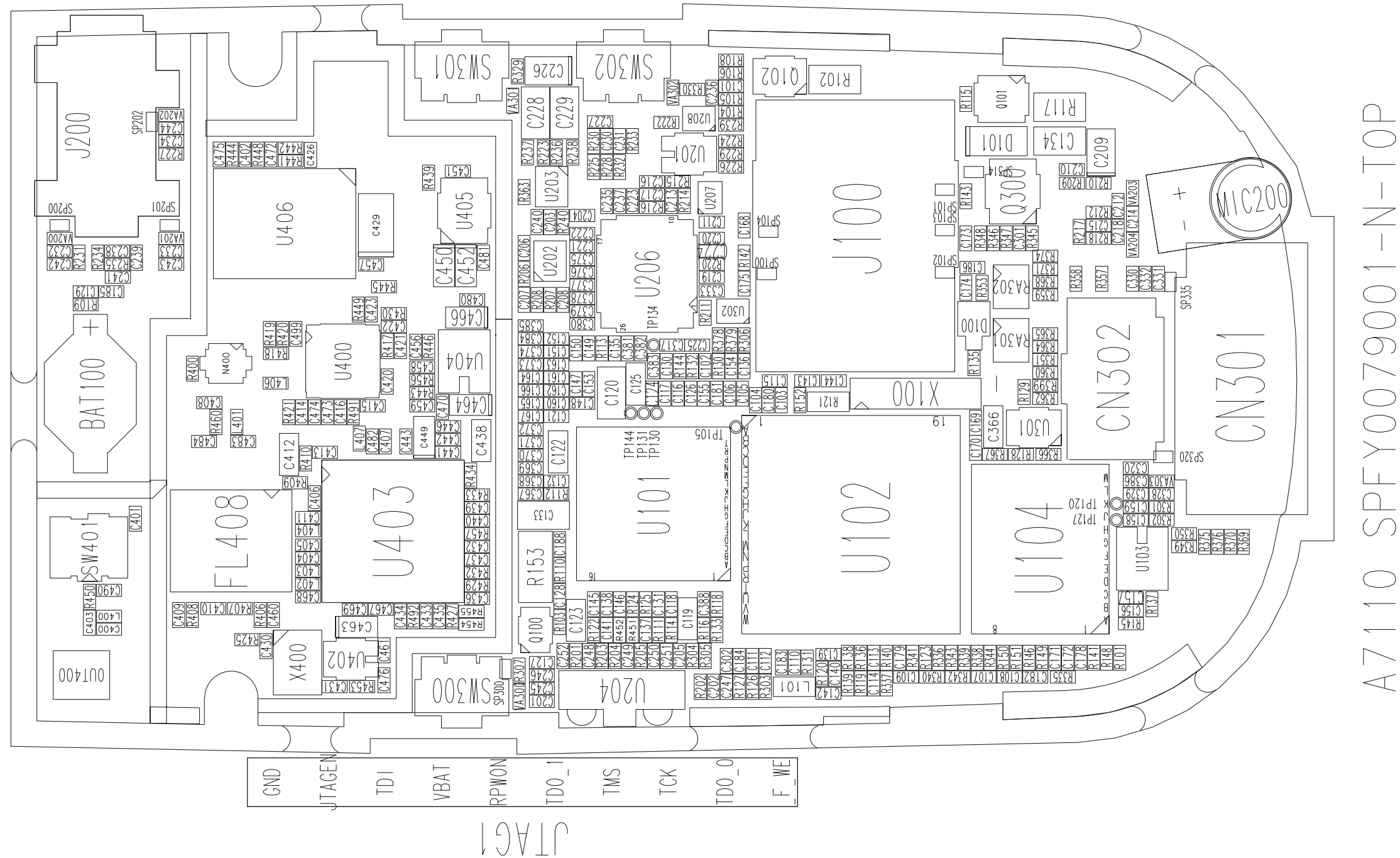
The schematic diagram illustrates the internal components and connections of the A7100 Upper Rev.G board. Key functional blocks include:

- KEYPAD:** A 12-key matrix keypad (K3601-K3611) connected to the microcontroller via I/O pins.
- CAMERA CONNECTOR:** A connector for a camera module, featuring a 2V8_VDD_SUB supply and a 5V supply.
- FLASH LED:** A U602 SC604A1MLTR LED driver controlling a strobe LED (C601) and a flash LED (C602).
- KEYBACKLIGHT:** A U602 SC604A1MLTR LED driver controlling a key backlight LED (C601) and a flash LED (C602).
- VIBRATOR CONTROL:** A U602 SC604A1MLTR LED driver controlling a vibrator motor (C601) and a flash LED (C602).
- IND_LED:** A U602 SC604A1MLTR LED driver controlling an indicator LED (C601) and a flash LED (C602).
- CHARGE PUMP:** A U602 SC604A1MLTR LED driver controlling a charge pump (C601) and a flash LED (C602).
- I/F CONNECTOR:** A connector for an external interface, featuring a 2V8_VDD supply and a 5V supply.
- LCD_CONNECTOR:** A connector for an LCD module, featuring a 2V8_VDD supply and a 5V supply.

The diagram also shows the internal microcontroller (U602) and its various pins, including power, ground, and I/O pins. The board is labeled with various component values and part numbers, such as C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638, C639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649, C650, C651, C652, C653, C654, C655, C656, C657, C658, C659, C660, C661, C662, C663, C664, C665, C666, C667, C668, C669, C670, C671, C672, C673, C674, C675, C676, C677, C678, C679, C680, C681, C682, C683, C684, C685, C686, C687, C688, C689, C690, C691, C692, C693, C694, C695, C696, C697, C698, C699, C700, C701, C702, C703, C704, C705, C706, C707, C708, C709, C710, C711, C712, C713, C714, C715, C716, C717, C718, C719, C720, C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C731, C732, C733, C734, C735, C736, C737, C738, C739, C740, C741, C742, C743, C744, C745, C746, C747, C748, C749, C750, C751, C752, C753, C754, C755, C756, C757, C758, C759, C760, C761, C762, C763, C764, C765, C766, C767, C768, C769, C770, C771, C772, C773, C774, C775, C776, C777, C778, C779, C780, C781, C782, C783, C784, C785, C786, C787, C788, C789, C790, C791, C792, C793, C794, C795, C796, C797, C798, C799, C800, C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832, C833, C834, C835, C836, C837, C838, C839, C840, C841, C842, C843, C844, C845, C846, C847, C848, C849, C850, C851, C852, C853, C854, C855, C856, C857, C858, C859, C860, C861, C862, C863, C864, C865, C866, C867, C868, C869, C870, C871, C872, C873, C874, C875, C876, C877, C878, C879, C880, C881, C882, C883, C884, C885, C886, C887, C888, C889, C890, C891, C892, C893, C894, C895, C896, C897, C898, C899, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910, C911, C912, C913, C914, C915, C916, C917, C918, C919, C920, C921, C922, C923, C924, C925, C926, C927, C928, C929, C930, C931, C932, C933, C934, C935, C936, C937, C938, C939, C940, C941, C942, C943, C944, C945, C946, C947, C948, C949, C950, C951, C952, C953, C954, C955, C956, C957, C958, C959, C960, C961, C962, C963, C964, C965, C966, C967, C968, C969, C970, C971, C972, C973, C974, C975, C976, C977, C978, C979, C980, C981, C982, C983, C984, C985, C986, C987, C988, C989, C990, C991, C992, C993, C994, C995, C996, C997, C998, C999, C1000.

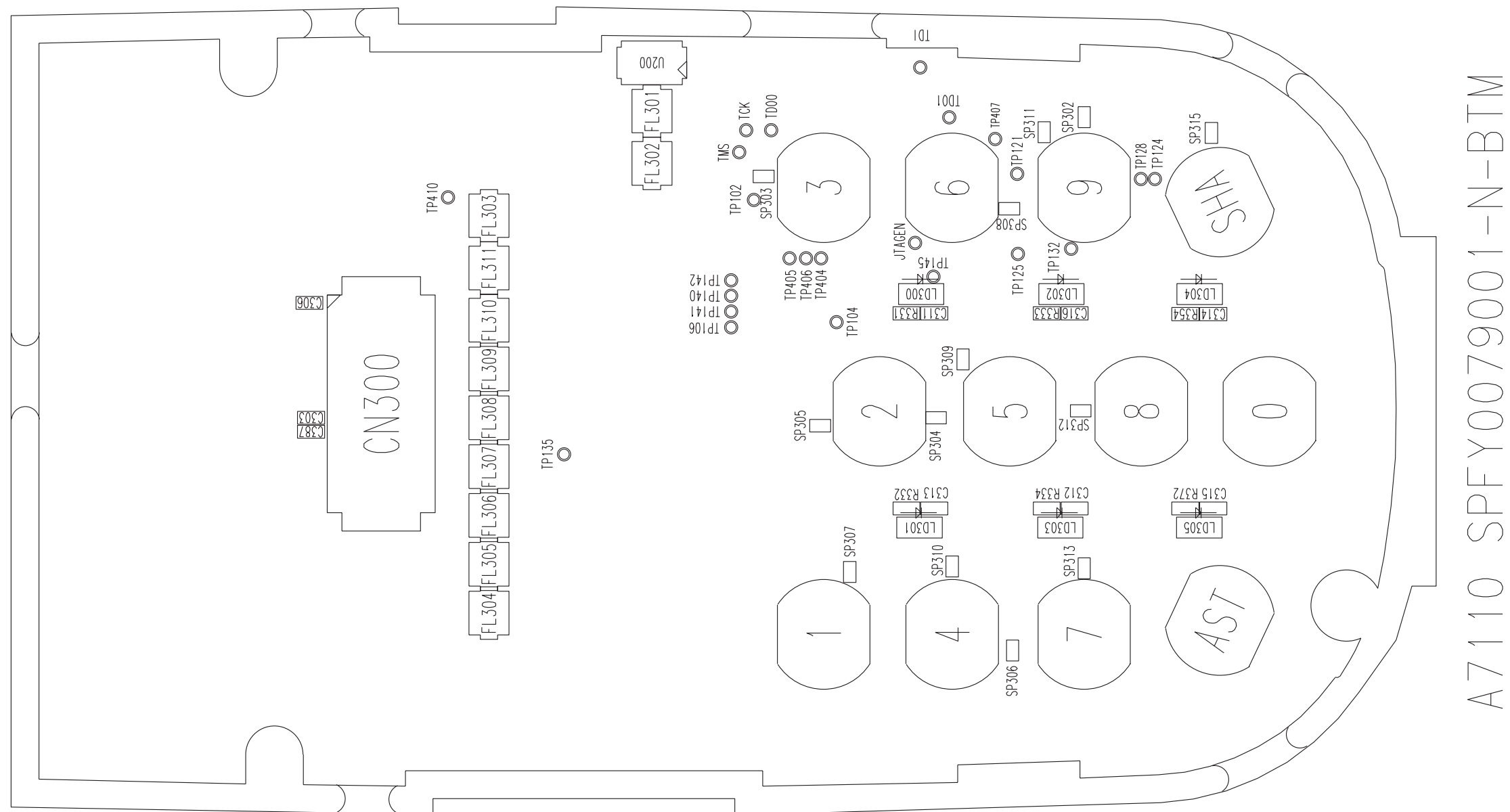
9. Расположение элементов на печатной плате

9.1 Основная плата (верхняя сторона платы)



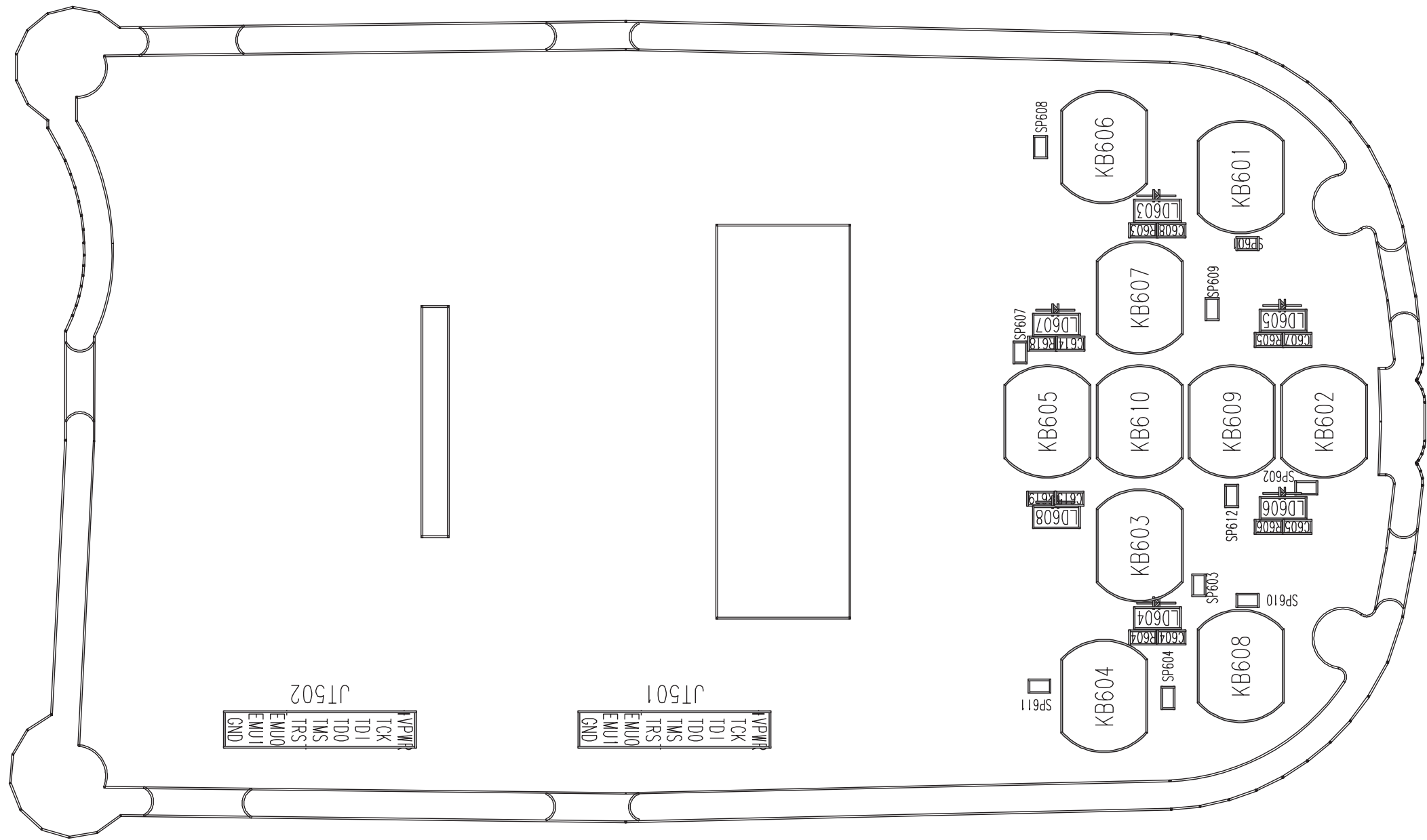
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9.2 Основная плата (нижняя сторона платы)



9. Расположение элементов на печатной плате

9.4 Верхняя плата (нижняя сторона платы)



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